

B1 1. (Twice Amended) A process for screening a plurality of chemical compounds for anti-neoplastic activity comprising:

(a) contacting a compound with one or more cells containing a polynucleotide comprising a nucleotide sequence corresponding to a gene whose expression is increased in a cancerous cell over that in a non-cancerous cell or a gene whose expression is elevated in a non-cancerous cell over that in a cancerous cell under conditions wherein said polynucleotide is being expressed, and

(b) determining a change in expression of more than one of said polynucleotides, wherein an increase in the expression of the determined genes whose expression is elevated in a non-cancerous cell over that in a cancerous cell and a decrease in the expression of the determined genes whose expression is increased in a cancerous cell over that in a non-cancerous cell is indicative of anti-neoplastic activity.

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Please add the following new claims:

B2 51. (New) The method of claim 1 wherein said nucleotide sequence is selected from the group consisting of SEQ ID NO: 1 – 1067.

52. (New) A method for producing test data with respect to the anti-neoplastic activity of a compound comprising:

(a) contacting a compound with one or more cells containing a polynucleotide comprising a nucleotide sequence corresponding to a gene whose expression is increased in a cancerous cell over that in a non-cancerous cell or a gene whose expression is elevated in a non-cancerous cell over that in a cancerous cell under conditions wherein said polynucleotide is being expressed, and

(b) determining a change in expression of more than one of said polynucleotides, and

(c) producing test data with respect to the gene modulating activity of said compound based on an increase in the expression of the determined genes whose